

JEE MAIN DETERMINANTS — APPLICATIONS: SOLVING SYSTEM OF LINEAR EQUATIONS (MATRIX METHOD) — PYQS

Max. Marks: 4

Questions: 1

Section A (MCQ) — 1 question

Q.1 If $X = \begin{bmatrix} x \\ y \\ z \end{bmatrix}$ is a solution of the system of equations

$$AX = B, \text{ where } \text{adj } A = \begin{bmatrix} 4 & 2 & 2 \\ -5 & 0 & 5 \\ 1 & -2 & 3 \end{bmatrix} \text{ and } B = \begin{bmatrix} 4 \\ 0 \\ 2 \end{bmatrix},$$

then $|x + y + z|$ is equal to :

[JEE Main 2026 (Online) 22nd January Evening Shift]

- (1) 3 (2) 2 (3) $\frac{3}{2}$ (4) 1

Scan or tap for the full solution



ANSWER KEY

Ques.	1								
Ans.	2								